### B) Connection's details

Connection 1:

Source Address: 192.168.1.164
Destination Address: 142.104.5.64

Source Port: 1200 Destination Port: 80

Status: S2F1/R Start time: 0.0 seconds

End Time: 43.612948 seconds
Duration: 43.612948 seconds

Number of packets sent from Source to Destination: 54 Number of packets sent from Destination to Source: 77

Total number of packets: 131

Number of data bytes sent from Source to Destination: 3063 Number of data bytes sent from Destination to Source: 100545

Total number of data bytes: 103608

**END** 

## 

Connection 2:

Source Address: 192.168.1.164
Destination Address: 142.104.5.64

Source Port: 1201 Destination Port: 80

Status: S2F2

Start time: 2.669554 seconds End Time: 26.788936 seconds Duration: 24.119382 seconds

Number of packets sent from Source to Destination: 28 Number of packets sent from Destination to Source: 41

Total number of packets: 69

Number of data bytes sent from Source to Destination: 1334 Number of data bytes sent from Destination to Source: 52974

Total number of data bytes: 54308

END

#### 

Connection 3:

Source Address: 192.168.1.164

Destination Address: 142.104.105.208

Source Port: 1202 Destination Port: 80

Status: S2F2/R

Start time: 26.854912 seconds End Time: 27.155235 seconds Duration: 0.300323 seconds

Number of packets sent from Source to Destination: 10

Number of packets sent from Destination to Source: 19 Total number of packets: 29 Number of data bytes sent from Source to Destination: 795 Number of data bytes sent from Destination to Source: 17749 Total number of data bytes: 18544 **END** Connection 4: Source Address: 192.168.1.164 Destination Address: 142.104.105.208 Source Port: 1203 Destination Port: 80 Status: S2F2/R Start time: 27.161723 seconds End Time: 27.175729 seconds Duration: 0.014006 seconds Number of packets sent from Source to Destination: 5 Number of packets sent from Destination to Source: 5 Total number of packets: 10 Number of data bytes sent from Source to Destination: 359 Number of data bytes sent from Destination to Source: 1134 Total number of data bytes: 1493 **END** Connection 5: Source Address: 192.168.1.164 Destination Address: 142.104.105.208 Source Port: 1204 Destination Port: 80 Status: S2F2/R Start time: 27.174667 seconds End Time: 27.188983 seconds Duration: 0.014316 seconds Number of packets sent from Source to Destination: 5 Number of packets sent from Destination to Source: 6 Total number of packets: 11 Number of data bytes sent from Source to Destination: 367 Number of data bytes sent from Destination to Source: 2295 Total number of data bytes: 2662 **END** Connection 6: Source Address: 192.168.1.164

Destination Address: 142.104.105.208

Source Port: 1205 Destination Port: 80

Status: S2F1/R

Start time: 27.210152 seconds End Time: 27.220436 seconds Duration: 0.010284 seconds

```
Number of packets sent from Source to Destination: 5
Number of packets sent from Destination to Source: 6
Total number of packets: 11
Number of data bytes sent from Source to Destination: 366
Number of data bytes sent from Destination to Source: 4655
Total number of data bytes: 5021
END
Connection 7:
Source Address: 192.168.1.164
Destination Address: 142.104.105.208
Source Port: 1206
Destination Port: 80
Status: S2F2/R
Start time: 27.230399 seconds
End Time: 27.250907 seconds
Duration: 0.020508 seconds
Number of packets sent from Source to Destination: 5
Number of packets sent from Destination to Source: 6
Total number of packets: 11
Number of data bytes sent from Source to Destination: 365
Number of data bytes sent from Destination to Source: 1826
Total number of data bytes: 2191
END
Connection 8:
Source Address: 192.168.1.164
Destination Address: 142.104.105.208
Source Port: 1207
Destination Port: 80
Status: S2F0/R
Connection 9:
Source Address: 192.168.1.164
Destination Address: 142.104.105.208
Source Port: 1208
Destination Port: 80
Status: S2F1/R
Start time: 27.279984 seconds
End Time: 27.298287 seconds
Duration: 0.018303 seconds
Number of packets sent from Source to Destination: 5
Number of packets sent from Destination to Source: 6
Total number of packets: 11
Number of data bytes sent from Source to Destination: 375
Number of data bytes sent from Destination to Source: 4656
Total number of data bytes: 5031
END
```

Connection 10:

Source Address: 192.168.1.164

Destination Address: 142.104.105.208

Source Port: 1209 Destination Port: 80

Status: S2F0/R

Connection 11:

Source Address: 192.168.1.164

Destination Address: 142.104.105.208

Source Port: 1210
Destination Port: 80

Status: S2F0/R

Connection 12:

Source Address: 192.168.1.164

Destination Address: 142.104.105.208

Source Port: 1211 Destination Port: 80

Status: S2F2/R

Start time: 39.27915 seconds End Time: 39.788668 seconds Duration: 0.509518 seconds

Number of packets sent from Source to Destination: 14 Number of packets sent from Destination to Source: 21

Total number of packets: 35

Number of data bytes sent from Source to Destination: 846 Number of data bytes sent from Destination to Source: 21542

Total number of data bytes: 22388

**END** 

Connection 13:

Source Address: 192.168.1.164

Destination Address: 142.104.105.208

Source Port: 1212 Destination Port: 80

Status: S2F2/R

Start time: 39.644283 seconds End Time: 39.789184 seconds Duration: 0.144901 seconds

Number of packets sent from Source to Destination: 5 Number of packets sent from Destination to Source: 5

Total number of packets: 10

Number of data bytes sent from Source to Destination: 411 Number of data bytes sent from Destination to Source: 1130

Total number of data bytes: 1541

**END** 

Connection 14:

Source Address: 192.168.1.164

Destination Address: 142.104.105.208

Source Port: 1213
Destination Port: 80

Status: S2F2/R

Start time: 39.706016 seconds End Time: 39.882284 seconds Duration: 0.176268 seconds

Number of packets sent from Source to Destination: 5 Number of packets sent from Destination to Source: 6

Total number of packets: 11

Number of data bytes sent from Source to Destination: 421 Number of data bytes sent from Destination to Source: 2295

Total number of data bytes: 2716

**END** 

Connection 15:

Source Address: 192.168.1.164

Destination Address: 142.104.105.208

Source Port: 1214 Destination Port: 80

Status: S2F1/R

Start time: 39.730769 seconds End Time: 39.849021 seconds Duration: 0.118252 seconds

Number of packets sent from Source to Destination: 5 Number of packets sent from Destination to Source: 6

Total number of packets: 11

Number of data bytes sent from Source to Destination: 420 Number of data bytes sent from Destination to Source: 4655

Total number of data bytes: 5075

**END** 

Connection 16:

Source Address: 192.168.1.164

Destination Address: 142.104.105.208

Source Port: 1215 Destination Port: 80

Status: S2F2/R

Start time: 39.848827 seconds End Time: 39.996013 seconds Duration: 0.147186 seconds

Number of packets sent from Source to Destination: 5 Number of packets sent from Destination to Source: 6

Total number of packets: 11

Number of data bytes sent from Source to Destination: 419 Number of data bytes sent from Destination to Source: 1826

Total number of data bytes: 2245

END

Connection 17:

Source Address: 192.168.1.164

Destination Address: 142.104.105.208

Source Port: 1216 Destination Port: 80

Status: S2F0/R

Connection 18:

Source Address: 192.168.1.164

Destination Address: 142.104.100.111

Source Port: 1217 Destination Port: 80

Status: S2F2/R

Start time: 131.951074 seconds End Time: 132.029282 seconds Duration: 0.078208 seconds

Number of packets sent from Source to Destination: 6 Number of packets sent from Destination to Source: 8

Total number of packets: 14

Number of data bytes sent from Source to Destination: 654 Number of data bytes sent from Destination to Source: 4027

Total number of data bytes: 4681

**END** 

Connection 19:

Source Address: 192.168.1.164

Destination Address: 142.104.100.111

Source Port: 1218
Destination Port: 80

Status: S2F2/R

Start time: 132.082853 seconds End Time: 132.168033 seconds Duration: 0.08518 seconds

Number of packets sent from Source to Destination: 5 Number of packets sent from Destination to Source: 6

Total number of packets: 11

Number of data bytes sent from Source to Destination: 366 Number of data bytes sent from Destination to Source: 2969

Total number of data bytes: 3335

**END** 

Connection 20:

Source Address: 192.168.1.164

Destination Address: 142.104.100.111

Source Port: 1219 Destination Port: 80

Status: S2F0/R

Connection 21:

Source Address: 192.168.1.164

Destination Address: 142.104.100.111

Source Port: 1220

Destination Port: 80

Status: S2F0/R

Connection 22:

Source Address: 192.168.1.164

Destination Address: 142.104.100.111

Source Port: 1221 Destination Port: 80

Status: S2F1/R

Start time: 152.178322 seconds End Time: 156.649771 seconds Duration: 4.471449 seconds

Number of packets sent from Source to Destination: 18 Number of packets sent from Destination to Source: 29

Total number of packets: 47

Number of data bytes sent from Source to Destination: 532 Number of data bytes sent from Destination to Source: 33703

Total number of data bytes: 34235

**END** 

Connection 23:

Source Address: 192.168.1.164

Destination Address: 142.104.100.111

Source Port: 1222 Destination Port: 80

Status: S2F0/R

Connection 24:

Source Address: 192.168.1.164

Destination Address: 142.104.100.111

Source Port: 1223 Destination Port: 80

Status: S2F0/R

Connection 25:

Source Address: 192.168.1.164

Destination Address: 142.104.100.111

Source Port: 1224 Destination Port: 80

Status: S2F0/R

Connection 26:

Source Address: 192.168.1.164

Destination Address: 142.104.100.111

Source Port: 1225 Destination Port: 80

Status: S2F1/R

Start time: 161.619287 seconds End Time: 177.491357 seconds Duration: 15.87207 seconds

Number of packets sent from Source to Destination: 82 Number of packets sent from Destination to Source: 157 Total number of packets: 239 Number of data bytes sent from Source to Destination: 407 Number of data bytes sent from Destination to Source: 222173 Total number of data bytes: 222580 **END** Connection 27: Source Address: 192.168.1.164 Destination Address: 142.104.100.1 Source Port: 1226 Destination Port: 53 Status: S2F2 Start time: 173.512831 seconds End Time: 173.653075 seconds Duration: 0.140244 seconds Number of packets sent from Source to Destination: 5 Number of packets sent from Destination to Source: 4 Total number of packets: 9 Number of data bytes sent from Source to Destination: 35 Number of data bytes sent from Destination to Source: 733 Total number of data bytes: 768 **END** Connection 28: Source Address: 192.168.1.164 Destination Address: 207.202.158.14 Source Port: 1227 Destination Port: 80 Status: S2F2 Start time: 173.607759 seconds End Time: 173.741805 seconds Duration: 0.134046 seconds Number of packets sent from Source to Destination: 5 Number of packets sent from Destination to Source: 5 Total number of packets: 10 Number of data bytes sent from Source to Destination: 433 Number of data bytes sent from Destination to Source: 301 Total number of data bytes: 734 **END** Connection 29: Source Address: 192.168.1.164 Destination Address: 207.202.158.14 Source Port: 1228 Destination Port: 80 Status: S3F0/R 

Connection 30:

Source Address: 192.168.1.164

Destination Address: 207.202.158.16

Source Port: 1229 Destination Port: 80

Status: S2F2

Start time: 174.938758 seconds End Time: 177.741793 seconds Duration: 2.803035 seconds

Number of packets sent from Source to Destination: 5 Number of packets sent from Destination to Source: 5

Total number of packets: 10

Number of data bytes sent from Source to Destination: 394 Number of data bytes sent from Destination to Source: 351

Total number of data bytes: 745

**END** 

Connection 31:

Source Address: 192.168.1.164

Destination Address: 207.202.158.16

Source Port: 1230 Destination Port: 80

Status: S2F2

Start time: 177.742114 seconds End Time: 179.643094 seconds Duration: 1.90098 seconds

Number of packets sent from Source to Destination: 5 Number of packets sent from Destination to Source: 5

Total number of packets: 10

Number of data bytes sent from Source to Destination: 421 Number of data bytes sent from Destination to Source: 351

Total number of data bytes: 772

**END** 

Connection 32:

Source Address: 192.168.1.164

Destination Address: 169.229.60.105

Source Port: 1231 Destination Port: 80

Status: S2F1/R

Start time: 184.909736 seconds End Time: 185.120455 seconds Duration: 0.210719 seconds

Number of packets sent from Source to Destination: 6 Number of packets sent from Destination to Source: 11

Total number of packets: 17

Number of data bytes sent from Source to Destination: 454 Number of data bytes sent from Destination to Source: 9938

Total number of data bytes: 10392

**END** 

Connection 33:

Source Address: 192.168.1.164

Destination Address: 169.229.60.105

Source Port: 1232 Destination Port: 80

Status: S2F0/R

Connection 34:

Source Address: 192.168.1.164

Destination Address: 169.229.60.105

Source Port: 1233 Destination Port: 80

Status: S2F1/R

Start time: 185.379593 seconds End Time: 197.62249 seconds Duration: 12.242897 seconds

Number of packets sent from Source to Destination: 22 Number of packets sent from Destination to Source: 35

Total number of packets: 57

Number of data bytes sent from Source to Destination: 310 Number of data bytes sent from Destination to Source: 34216

Total number of data bytes: 34526

**END** 

Connection 35:

Source Address: 192.168.1.164

Destination Address: 142.104.100.111

Source Port: 1234 Destination Port: 80

Status: S2F1/R

Start time: 194.318386 seconds End Time: 217.562276 seconds Duration: 23.24389 seconds

Number of packets sent from Source to Destination: 15 Number of packets sent from Destination to Source: 15

Total number of packets: 30

Number of data bytes sent from Source to Destination: 2218 Number of data bytes sent from Destination to Source: 7437

Total number of data bytes: 9655

END

Connection 36:

Source Address: 192.168.1.164

Destination Address: 142.104.100.111

Source Port: 1235 Destination Port: 80

Status: S2F1/R

Start time: 194.392019 seconds End Time: 217.592216 seconds Duration: 23.200197 seconds

Number of packets sent from Source to Destination: 60 Number of packets sent from Destination to Source: 104

Total number of packets: 164

Number of data bytes sent from Source to Destination: 1832 Number of data bytes sent from Destination to Source: 137084

Total number of data bytes: 138916

**END** 

Connection 37:

Source Address: 192.168.1.164

Destination Address: 209.198.98.149

Source Port: 1236 Destination Port: 80

Status: S2F0/R

Connection 38:

Source Address: 192.168.1.164

Destination Address: 209.198.98.149

Source Port: 1237 Destination Port: 80

Status: S2F1/R

Start time: 207.19142 seconds End Time: 226.843777 seconds Duration: 19.652357 seconds

Number of packets sent from Source to Destination: 30 Number of packets sent from Destination to Source: 51

Total number of packets: 81

Number of data bytes sent from Source to Destination: 3475 Number of data bytes sent from Destination to Source: 32424

Total number of data bytes: 35899

**END** 

Connection 39:

Source Address: 192.168.1.164

Destination Address: 209.198.98.149

Source Port: 1238 Destination Port: 80

Status: S2F0

Connection 40:

Source Address: 192.168.1.164
Destination Address: 66.102.7.147

Source Port: 1239 Destination Port: 80

Status: S2F0/R

Connection 41:

Source Address: 192.168.1.164

Destination Address: 209.198.98.149

Source Port: 1240

Destination Port: 80

Status: S2F0

Connection 42:

Source Address: 192.168.1.164

Destination Address: 216.239.59.104

Source Port: 1241
Destination Port: 80

Status: S2F1

Start time: 249.857987 seconds End Time: 250.535328 seconds Duration: 0.677341 seconds

Number of packets sent from Source to Destination: 4 Number of packets sent from Destination to Source: 4

Total number of packets: 8

Number of data bytes sent from Source to Destination: 464 Number of data bytes sent from Destination to Source: 468

Total number of data bytes: 932

**END** 

Connection 43:

Source Address: 192.168.1.164
Destination Address: 66.102.7.147

Source Port: 1242 Destination Port: 80

Status: S2F1

Start time: 250.535711 seconds End Time: 261.719317 seconds Duration: 11.183606 seconds

Number of packets sent from Source to Destination: 10 Number of packets sent from Destination to Source: 13

Total number of packets: 23

Number of data bytes sent from Source to Destination: 998 Number of data bytes sent from Destination to Source: 6783

Total number of data bytes: 7781

**END** 

Connection 44:

Source Address: 192.168.1.164
Destination Address: 66.102.7.147

Source Port: 1243 Destination Port: 80

Status: S2F0

Connection 45:

Source Address: 192.168.1.164
Destination Address: 128.119.85.98

Source Port: 1244
Destination Port: 80

Status: S2F2

Start time: 263.838176 seconds End Time: 264.541811 seconds Duration: 0.703635 seconds

Number of packets sent from Source to Destination: 6 Number of packets sent from Destination to Source: 8

Total number of packets: 14

Number of data bytes sent from Source to Destination: 456 Number of data bytes sent from Destination to Source: 4383

Total number of data bytes: 4839

END

Connection 46:

Source Address: 192.168.1.164
Destination Address: 128.119.85.98

Source Port: 1245
Destination Port: 80

Status: S2F2

Start time: 264.448077 seconds End Time: 265.076576 seconds Duration: 0.628499 seconds

Number of packets sent from Source to Destination: 8
Number of packets sent from Destination to Source: 12

Total number of packets: 20

Number of data bytes sent from Source to Destination: 297 Number of data bytes sent from Destination to Source: 11099

Total number of data bytes: 11396

**END** 

Connection 47:

Source Address: 192.168.1.164

Destination Address: 132.170.108.140

Source Port: 1246 Destination Port: 80

Status: S2F1

Start time: 266.578746 seconds End Time: 282.552667 seconds Duration: 15.973921 seconds

Number of packets sent from Source to Destination: 20 Number of packets sent from Destination to Source: 29

Total number of packets: 49

Number of data bytes sent from Source to Destination: 1150 Number of data bytes sent from Destination to Source: 34469

Total number of data bytes: 35619

**END** 

Connection 48:

Source Address: 192.168.1.164

Destination Address: 132.170.108.140

Source Port: 1247
Destination Port: 80

Status: S2F1

Start time: 266.975155 seconds End Time: 282.552335 seconds Duration: 15.57718 seconds

Number of packets sent from Source to Destination: 9 Number of packets sent from Destination to Source: 11

Total number of packets: 20

Number of data bytes sent from Source to Destination: 285 Number of data bytes sent from Destination to Source: 11110

Total number of data bytes: 11395

**END** 

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## C) General

Total number of complete TCP connections: 32 Number of reset TCP connections: 34

Number of TCP connections that were still open when the trace capture ended: 16

# D) Complete TCP connections

Minimum time duration: 0.010284 seconds Mean time duration: 6.812052 seconds Maximum time duration: 43.612948 seconds

Minimum RTT value: 0.002269 seconds Mean RTT value: 0.044027 seconds Maximum RTT value: 0.144791 seconds

Minimum number of packets including both send/received: 8 Mean number of packets including both send/received: 37.3125 Maximum number of packets including both send/received: 239

Minimum receive window size including both send/received: 0 bytes

Mean receive window size including both send/received: 15277.688442 bytes Maximum receive window size including both send/received: 64240 bytes